



PATENT
Customer No. 22,852
Attorney Docket No. 05725.1327-00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

<i>In re</i> Application of:)	
)	
Laurent VIDAL et al.)	
)	
Application No.: 10/758,215)	Group Art Unit: 1751
)	
Filed: January 16, 2004)	Examiner: Unassigned
)	
For: DYEING COMPOSITION)	
COMPRISING AN)	
ACYLAMINOPHENOL COUPLER)	
AND USE OF THIS COUPLER)	
FOR DYEING KERATINOUS)	
FIBRES)	

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Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

REQUEST FOR CORRECTED PATENT APPLICATION
PUBLICATION UNDER 37 C.F.R. § 1.221(b)

The U.S. Patent and Trademark Office published the above-identified Application No. 10/758,215 as Publication No. US 2004/0205906 A1 on October 21, 2004. The published application contains mistakes that are the fault of the Office and are material. Attached hereto are a copy of both the relevant pages of the originally filed application

and a marked-up copy of the corresponding pages of the published application containing the mistakes.

A mistake is material when it affects the public's ability to appreciate the technical disclosure of the patent application publication or determine the scope of the provisional rights that an applicant may seek to enforce upon issuance of a patent. See C.F.R. § 1.221(b). The mistakes, which are indicated in red ink on the relevant pages of the marked-up copy of the published application attached hereto, are as follows:

All of page 24 of the U.S. patent application, as filed, is missing from the published specification. This affects paragraph [0127], where the end of the table is missing. With revision of paragraph [0127] to include page 24 of the patent application, this section should read:

[0127] The following non-limiting examples of the dyeing compositions disclosed herein were prepared:

Examples	1	2	3	4	5
N-(8-chloro-5-hydroxy-4,4-dimethyl-2-oxo-1,2,3,4-tetrahydroquinolin-6-yl)acetamide	$4 \cdot 10^{-4}$ mol				

Examples	1	2	3	4	5
N-(5-hydroxy-4,4-dimethyl-2-oxo-1,2,3,4-tetrahydroquinolin-6-yl)acetamide		4.10^{-4} mol			
N-(8-methoxy-5-hydroxy-4,4-dimethyl-2-oxo-1,2,3,4-tetrahydroquinolin-6-yl)acetamide			4.10^{-4} mol		
N-(7-chloro-4-hydroxy-3,3-dimethyl-2-oxo-2,3-dihydroindol-5-yl)acetamide				4.10^{-4} mol	
N-(4-hydroxy-3,3-dimethyl-2-oxo-2,3-dihydroindol-5-yl)acetamide					4.10^{-4} mol
7-amino-5-methyl-3-aminopyrazolo[1,5-a]pyrimidine·2HCl	4.10^{-4} mol	4.10^{-4} mol	4.10^{-4} mol	4.10^{-4} mol	4.10^{-4} mol
4-aminoaniline·2HCl					
Dye carrier (1)	(*)	(*)	(*)	(*)	(*)
Demineralized water q.s.	100 g	100 g	100 g	100 g	100 g

As the identified mistakes affect the scope of the claims and the public's ability to determine the same, Applicants request that the Office correct the above-identified material mistakes in the published application, which are the fault of the Office. Further, Applicants request that the Office forward a copy of the corrected published application or at least a notification of the occurrence or predicted occurrence of the corrected publication.

Applicants believe that no Petition or fee is due in connection with this Request. However, if any Petition or fee is due, please grant the Petition and charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Date: December 21 , 2004

By: Deborah M. Sharfman
Deborah M. Sharfman
Reg. No.: 52,211

Enclosures:

- Marked-up copies of relevant pages of the published application; and
- Corresponding pages of the originally filed application.

ice-cold water and stirred. The product thus obtained was then filtered. After drying and washing in 100 ml of hot ethyl acetate, 22.5 g of product (5) was isolated by filtration and dried.

[0118] ^1H NMR (300 MHz, CDCl_3): δ 1.32 (6H, s) 2.09 (3H, s) 2.31 (2H, s) 6.37 (2H, d) 6.88 (2H, d) 9.36 (1H, s) 9.89 (1H, brs) 10.00 (1H, brs)

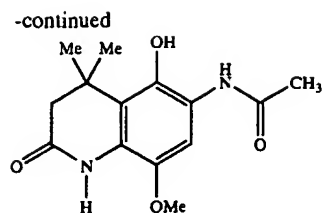
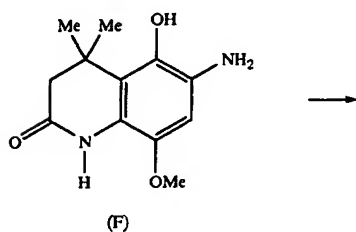
[0119] MS m/z 247 (M^+)

[0120] Melting point=211-212° C.

Example 6

Synthesis of N-(8-methoxy-5-hydroxy-4,4-dimethyl-2-oxo-1,2,3,4-tetrahydroquinolin-6-yl)acetamide

[0121]



[0122] Compound (F) was prepared according to the synthesis described in U.S. Pat. No. 4,430,423. While keeping the temperature below 5° C., 4.2 ml of acetyl chloride was slowly added to a mixture comprising dimethylacetamide (20 ml), ethyl acetate (30 ml) and 10 g of compound (F). The reaction mixture was then mixed with ice-cold water and stirred. The product thus obtained was then filtered. After drying and washing in 100 ml of hot ethyl acetate, 10.7 g of product (6) were isolated by filtration and dried.

[0123] ^1H NMR (300 MHz, CDCl_3): δ 1.37 (6H, s) 2.10 (3H, s) 2.31 (2H, s) 3.79 (3H, s) 6.72 (1H, s) 8.80 (1H, s) 8.88 (1H, brs) 9.90 (1H, brs)

[0124] MS m/z 277 (M^+)

[0125] Melting point=176-178° C.

[0126] Examples of Dyes

[0127] The following non-limiting examples of the dyeing compositions disclosed herein were prepared:

Insert Page 24
From The Filed
Application.

	Examples				
	1	2	3	4	5
N-(8-chloro-5-hydroxy-4,4-dimethyl-2-oxo-1,2,3,4-tetrahydroquinolin-6-yl)acetamide	$4 \cdot 10^{-4}$ mol				
	Examples				
	6	7	8	9	10
N-(8-chloro-5-hydroxy-4,4-dimethyl-2-oxo-1,2,3,4-tetrahydroquinolin-6-yl)acetamide	$4 \cdot 10^{-4}$ mol				
N-(5-hydroxy-4,4-dimethyl-2-oxo-1,2,3,4-tetrahydroquinolin-6-yl)acetamide		$4 \cdot 10^{-4}$ mol			
N-(8-methoxy-5-hydroxy-4,4-dimethyl-2-oxo-1,2,3,4-tetrahydroquinolin-6-yl)acetamide			$4 \cdot 10^{-4}$ mol		
N-(7-chloro-4-hydroxy-3,3-dimethyl-2-oxo-2,3-dihydroindol-5-yl)acetamide				$4 \cdot 10^{-4}$ mol	
N-(4-hydroxy-3,3-dimethyl-2-oxo-2,3-dihydroindol-5-yl)acetamide					$4 \cdot 10^{-4}$ mol
7-amino-5-methyl-3-aminopyrazolo[1,5-a]pyrimidine.2HCl					

[069] Compound (F) was prepared according to the synthesis described in U.S. Patent No. 4,430,423. While keeping the temperature below 5°C, 4.2 ml of acetyl chloride was slowly added to a mixture comprising dimethylacetamide (20 ml), ethyl acetate (30 ml) and 10 g of compound (F). The reaction mixture was then mixed with ice-cold water and stirred. The product thus obtained was then filtered. After drying and washing in 100 ml of hot ethyl acetate, 10.7 g of product (6) were isolated by filtration and dried.

¹H NMR (300 MHz, CDCl₃): δ 1.37 (6H, s) 2.10 (3H, s) 2.31 (2H, s) 3.79 (3H, s) 6.72 (1H, s) 8.80 (1H, s) 8.88 (1H, brs) 9.90 (1H, brs)

MS m/z 277 (M⁺)

Melting point = 176-178°C

Examples of dyes

[070] The following non-limiting examples of the dyeing compositions disclosed herein were prepared:

Examples	1	2	3	4	5
N-(8-chloro-5-hydroxy-4,4-dimethyl-2-oxo-1,2,3,4-tetrahydroquinolin-6-yl)acetamide	4.10 ⁻⁴ mol				

Examples	1	2	3	4	5
N-(5-hydroxy-4,4-dimethyl-2-oxo-1,2,3,4-tetrahydroquinolin-6-yl)acetamide		4.10^{-4} mol			
N-(8-methoxy-5-hydroxy-4,4-dimethyl-2-oxo-1,2,3,4-tetrahydroquinolin-6-yl)acetamide			4.10^{-4} mol		
N-(7-chloro-4-hydroxy-3,3-dimethyl-2-oxo-2,3-dihydroindol-5-yl)acetamide				4.10^{-4} mol	
N-(4-hydroxy-3,3-dimethyl-2-oxo-2,3-dihydroindol-5-yl)acetamide					4.10^{-4} mol
7-amino-5-methyl-3-aminopyrazolo[1,5-a]pyrimidine·2HCl	4.10^{-4} mol	4.10^{-4} mol	4.10^{-4} mol	4.10^{-4} mol	4.10^{-4} mol
4-aminoaniline·2HCl					
Dye carrier (1)	(*)	(*)	(*)	(*)	(*)
Demineralized water q.s.	100 g	100 g	100 g	100 g	100 g